

IXOR  
Connection Agreement  
2010:v0.02

Between

SIEF - SE769620-3186

and

[MEMBER NAME]

[ORGANIZATION NO]

[ADDRESS]

[CONTACT PERSON]

[CONTACT PERSON E-MAIL]

[ASN]

[NOC E-MAIL]

[NOC TELEPHONE]

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## 1. Definitions

SIEF - Skånes Internetknutpunkts Ekonomiska Förening. Non-profit organization and sole owner of IXOR.

IXOR - Internet eXchange point of the Oresund Region.

ASN - Autonomous System Number assigned by a regional internet registry.

Member/connected member - An organization physically connected to IXOR.

The connection - The physical connection between a connected member and an IXOR switch.

## 2. Prerequisites for connection to IXOR

Valid ASN and an IP Prefix.

E-mail address and phone number for contact with member NOC or similar.

3. Services provided by SIEF/IXOR

Operation, monitoring and maintenance of IXOR switches.

Web page with various information including contact details.

A mailing list for all connected members. This list is used by members to contact all other members at IXOR.

#### 4. Router co-location and equipment housing

SIEF/IXOR does not provide any co-location. It's up to each member to arrange this for themselves. SIEF/IXOR can assist in getting in contact with appropriate companies that provide this kind of service.

## 5. Member responsibilities

A member is required to supply IXOR with specified interface for their connection.

Peering is not covered by this agreement. Each member is responsible for setting up their own peering agreements with other members.

All prefixes announced to peers must be allocated to the member or member customers by a regional internet registry.

A member must not announce any of IXORs IP prefixes.

## 6. Rules

IXOR is based upon Ethernet 2 and permits the following ethertypes:

0x0800 - IPv4

0x0806 - ARP

0x86dd - IPv6

Connection sharing is not permitted. One port per member. One (1) source MAC address is allowed per port.

No other IPs except those assigned by IXOR is allowed to be used.

The IX is intended for peering traffic between ASes and no other traffic is allowed.

The only routing exchange protocol allowed is BGP.

Features such as Proxy ARP, ICMP Redirects are not allowed on the IX.

The only link-local protocols allowed are ARP & IPv6 ND. No other protocols such as CDP, IGPs, FDP, VTP etc are allowed.

The IX is a unicast service only for the exception of broadcast ARP and IPv6 ND.

No directed broadcast is allowed on the IX.

No redistribution of the IX networks are allowed.

Any action that could create disturbance of the IX platform is not allowed.

## 7. Rates and payment

Member is responsible for all related costs for their connection to IXOR.

Prices may vary depending on which IXOR site a member connect to.

Payments must be done within 30 days of the invoice date.

If a connected member port exceed 100 Mbit/s 95/5 percentile according to SIEF/IXOR measurements the port will be billed according to the price list starting the following month.

Latest price list can be found on <http://www.ixor.se>.

All payments should be made in the currency as specified in the pricelist.

## 8. Terms and termination

SIEF/IXOR may change this connection agreement, rates, payment and appendices at any given time by notifying members to mailing list or web page 30 days in advance.

SIEF/IXOR and the member has the right to cancel or terminate this agreement at any time. If a member wish to cancel or terminate this connection agreement no refund is available.

SIEF/IXOR has the right to shutdown a member port if it interferes with IXORs operation or is malfunctioning/misconfigured until the issue is resolved.

A member must apply reasonable measure not to harm or endanger SIEF/IXOR or its connected members equipment/software.

Cancellation or termination must be done in writing. (E-mail to [info@ixor.se](mailto:info@ixor.se)).

SIEF staff will provide IXOR services with reasonable care and skill.

All official contact with SIEF/IXOR must go through [info@ixor.se](mailto:info@ixor.se) or by IXOR indicated means.

## 9. Liability

SIEF/IXOR is not under any circumstances responsible for any loss or damage to a member. This includes loss of profit, traffic or customers.

IXOR  
Connection Agreement  
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Signature page  
Belonging to IXOR Connection Agreement 2010:v0.02

SIEF  
\_\_\_\_\_  
Representative of SIEF

\_\_\_\_\_  
Date and place

[Member name]  
\_\_\_\_\_  
[Member representative]

\_\_\_\_\_  
Date and place